

**Chesapeake Bay
Nitrogen and Phosphorus
Draft Allocations
for the
Commonwealth of Virginia**

**Issued by EPA
July 1, 2010**

Virginia Draft Allocations

Nitrogen – [Million Pounds/Year]

VA Basins	1985	2002	2009	Tributary Strategies	EPA Target Loads Nov 2009	EPA Draft Allocations July 2010
Shen/Pot	28.2	25.5	20.1	16.38	16.09	17.46
Rapp	8.2	7.6	7.0	5.62	6.49	5.84
York	7.0	6.7	6.4	5.09	6.53	5.41
James	41.0	32.1	30.4	27.53	28.49	26.79 – 3.31 = 23.48
E. Shore	2.0	1.7	1.9	1.03	1.61	1.21
VA Totals	86.5	73.6	65.7	55.66	59.22	56.71 – 3.31 = 53.40

Allocations shown in white are based on meeting dissolved oxygen standards in the Bay and tidal rivers. *Allocations shown in yellow italics are based on EPA's determination that nutrients entering the tidal James River need to be further reduced to achieve chlorophyll standards.*

Virginia Draft Allocations

Phosphorus – [Million Pounds/Year]

VA Basins	1985	2002	2009	Tributary Strategies	EPA Target Loads Nov 2009	EPA Draft Allocations July 2010
Shen/Pot	2.19	2.03	1.93	1.70	1.97	1.47
Rapp	1.29	1.20	1.09	0.94	0.82	0.90
York	1.03	0.72	0.63	0.59	0.61	0.54
James	6.533	4.15	3.30	3.28	3.50	2.69 – <i>0.35 = 2.34</i>
E. Shore	0.26	0.21	0.19	0.13	0.15	0.16
VA Totals	11.31	8.30	7.14	6.64	7.05	5.76 – <i>0.35 = 5.41</i>

Allocations shown in white are based on meeting dissolved oxygen standards in the Bay and tidal rivers. *Allocations shown in yellow italics are based on EPA's determination that nutrients entering the tidal James River need to be further reduced to achieve chlorophyll standards.*

EPA's Temporary Reserve

- EPA has included a temporary reserve of 5% for each jurisdiction
- For VA, this temporary reserve amounts to:
 - 2.67 MPY for Nitrogen
 - 0.27 MPY for Phosphorus
- EPA expects 2010 WIP to present actions needed to meet total VA allocation less reserve:
 - 50.73 MPY for Nitrogen
 - 5.14 MPY for Phosphorus

2017 and 2025 Targets

[Million Pounds/Year]

VA Basins	Nitrogen 2017 60% Progress	Nitrogen 2025 TMDL	Phosphorus 2017 60% Progress	Phosphorus 2025 TMDL
Shen/Pot	18.52	17.46	1.65	1.47
Rapp	6.30	5.84	0.98	0.90
York	5.81	5.41	0.58	0.54
James	$28.23 - 1.99 = 26.25$	$26.79 - 3.31 = 23.48$	$2.93 - 0.21 = 2.72$	$2.69 - 0.35 = 2.34$
E. Shore	1.49	1.21	0.17	0.16
VA Totals	$60.35 - 1.99 = 58.36$	$56.71 - 3.31 = 53.40$	$6.31 - 0.21 = 6.10$	$5.76 - 0.35 = 5.41$